



art news

14 May 2019

art stakeholders meeting



Planned changes for *art* 3.03

- Enable configuration-pruning by default
 - You must currently specify it (e.g.) `art -c <config.fcl> --prune-config ...`
 - `--prune-config` will be implicitly specified
 - Only configurations for modules enabled for event-processing will be persisted.
- The `produces/consumes/createEngine` interface will become protected.
 - Helper classes/functions will not be able to call `produces/consumes/createEngine` from a module pointer or reference.
 - We will provide an alternative mechanism mechanism for calling `produces/consumes` outside of a module (*a la* CMSSW's `consumesCollector()` interface)
 - We will consider adding a differently-named public member functions for migration purposes.

Planned changes for *art* 3.03

- Program-options “guessing” will be disabled:

```
art --memcheck --rethrow-all -c ... # memcheck is deprecated
```

- Whenever it is removed, current program-option behavior is that:

```
art --memcheck --rethrow-all -c ... # is synonymous with
```

```
art --memcheck-db --rethrow-all -c ... # Creates db file “--rethrow-all”
```

- *art* 3.03 will require the full long option to be spelled out.
- Remember that bash tab completions are provided for *art*
- The GLOBAL services scope will change to SHARED
 - Conforms to the pattern of shared/replicated modules (across schedules)

New feature for *art* 3.03

- Mu2e has requested the ability to create new events until a specified time has been exceeded.
- EmptyEvent will gain a new parameter (e.g.) maxTime
- **What should the behavior be if users specify both maxEvents and maxTime?**
 - Option 1: configuration error
 - Option 2: create new events until either condition has been satisfied